

TURBOCOMPOUND INTERNAL COMBUSTION ENGINE ARRANGEMENT

Abstract

Method and arrangement for a turbocompound type internal combustion engine including an exhaust system for ducting the engine's exhaust gases. A supercharger turbine drives a compressor for the engine's combustion air, and an exhaust turbine is placed in the exhaust system downstream of the supercharger turbine for extracting residual energy from the exhaust flow via transmission to the combustion engine's crankshaft. The exhaust system also has an exhaust braking throttle placed downstream of the exhaust turbine. The exhaust braking throttle includes a pressure-controlled exhaust pressure regulator that makes possible variable regulation of an exhaust braking pressure in at least two steps.